

## SPECIFICATION FOR ADJUSTING SERVICE COVERS

### 1. SCOPE

This specification details the requirements for the adjustment of service covers necessary before asphaltic concrete paving, after a pavement reseal, settlement of the pavement adjacent to service covers, or settlement of the covers themselves.

To achieve the long term maintenance objectives of Transit New Zealand, the following principles shall be followed:

- (a) The Contractor shall undertake a detailed inspection in order to meet the response times and shall mark on the road the location of proposed adjustments to service covers.
- (b) The Contractor shall schedule the location of all adjustments required, indicating priority work, and shall submit the schedule together with the proposed method of repair and work programme to the Engineer.
- (c) The Engineer shall review the Contractor's schedule of methods and programme, adjust for technical and budget restraints (if any) and return to the Contractor.
- (d) The Contractor shall carry out the adjustments in accordance with this specification and the adjusted schedule, and be responsible for subsequent maintenance of repairs during the Contract period.
- (e) The above shall be carried out within the response times specified.
- (f) Only work on the adjusted schedule will be paid for.

### 2. RESPONSE TIMES

The response time to carry out work in clause 1 of this specification shall be as scheduled by the Engineer in the Contract documents.

**3. WORK SCHEDULE**

All work scheduled shall be in terms of Transit New Zealand State Highway Route Positions and shall list priority work for particular road groups.

No claims for extras will be considered if the Contractor does not work off the Engineer's schedule, or carries out work not scheduled or work in excess of the scheduled areas, unless authorised by the Engineer.

**4. CUTTING PAVEMENT SURFACE**

Where the pavement surface has to be penetrated to permit the service covers to be adjusted, a rectangular opening shall be cut into the pavement surface. The perimeter of the opening shall be cleanly cut so as to maintain the integrity of the adjacent pavement surface. The cut shall be vertical. Straight lines shall not deviate more than 50 mm from a 1 m straight edge aligned between two points.

**5. SEATING COVERS FOR STRENGTH AND LEVEL**

**5.1 General**

Covers shall be designed and supported within the pavement structure to withstand the applied loadings without undue settlement or rocking. Covers shall be adjusted to level using risers, adjusting rings, epoxy mortar, concrete, or additional covers.

**5.2 Level**

The top of the cover shall not exceed + 10 mm or be less than - 0 mm with respect to the surrounding pavement surface.

The surrounding material shall be uniformly tapered from the top of the cover to the existing road surface.

**5.3 Risers and covers**

Risers and covers shall be firmly held in place by adequate backfilling and compaction. A sufficient width of pavement around the riser or cover shall be excavated to ensure this. Acceptable widths are:

200 mm for backfill depth less than or equal to 300 mm

500 mm for backfill depth greater than 300 mm

An acceptable method for backfilling is compliance with TNZ Specification C4 "Digout Repairs in Flexible Pavements", clauses 10 and 11.

#### **5.4 Adjusting Rings**

Adjusting rings shall be located and fixed in place with a haunched mortar pad.

### **6. SURFACING**

#### **6.1 General**

The reinstated pavement surface around the service cover shall:

- (a) Be waterproof including the interface with the service cover.
- (b) Have similar texture to the surrounding pavement.
- (c) Have a smooth surface profile.
- (d) Match the cross-fall of the existing pavement.

#### **6.2 Waterproofness**

An acceptable method of making the joint between the pavement surface and the service cover waterproof shall be:

- (a) For Asphaltic Concrete surfaces: A waterproof seal coat sprayed or painted to vertical surfaces of the service cover within the surfacing layer.
- (b) For Chip Seal surfaces: The waterproof seal coat sprayed to overlap the service cover frame.

### **7. PERFORMANCE CRITERIA**

The performance of the Contractor during the Contract period will be measured by the following criteria:

- (a) No flushing or bleeding of repaired surface.

- (b) That the repair work continues to meet the requirements of this specification for the length of the maintenance period.

**8. BASIS FOR PAYMENT**

| Payment will be made on a rate per cover adjusted.